

**Method of determining the distance of a hand-operated module from a device-module, esp. for motor vehicle access system, involves generating first and second signals and evaluating the difference of the signal propagation delay times**

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Inventor: KLIMM CHRISTIAN (DE); LAMPRECHT FRIEDRICH (DE)

Applicant: DELPHI TECH INC (US)

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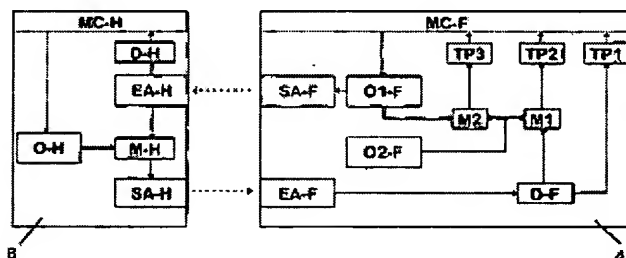
- international: G01S13/42; H04B1/69; G07C9/00
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### Abstract of DE10013913

The method of determining the distance of a hand-operated module from its associated device-module integrated into a device, such as a motor vehicle, has increased user-friendliness for a key-less access system for the vehicle, by determining the distance of the authorized person from the vehicle and improve safety of access. Initially, a first signal is generated in the device module (4) followed by a first signal outputted by the latter (4) which is then received by the hand-module (6) wherein is generated a second signal which has at least a part in sync with a part of the received first signal and isolatable from the total signal. The second signal is outputted by the hand-module (6), received by the device module (4) and the difference of the propagation delay time between the signals is evaluated to determine the distance of the hand-module (6) from the device module (4).



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